

METHOD FOR SPRAY-COATING AQUEOUS PAINT

FIELD OF THE INVENTION

[0001] The present invention relates to a method for spray-coating aqueous
 5 paint, whereby coating defects raised by a change of ~~in~~ surrounding
 conditions, such as temperature and humidity, are avoided.

DEFINITION OF TERMS USED HEREIN

[0002] ~~By the~~ The term "allowable volume absolute humidity," in a unit of
 g/m^3 , ~~employed herein is meant~~ means a difference between saturated
 10 volume absolute humidity and absolute humidity at a given temperature.
 The saturated volume absolute humidity means a maximum amount of water
 contained in gaseous form in the air of a unit volume.

BACKGROUND OF THE INVENTION

[0003] Aqueous paint (water-borne paint) mainly contains water as a
 15 solvent. Therefore, aqueous paint ~~and therefore is not hazardous to the~~
 human body in coating conditions, and can easily treat, ~~in comparison~~
~~with~~ when compared to solvent based paint (solvent-borne paint). ~~The~~
~~aqueous~~ Aqueous paint is advantageously recycled by collecting ~~with~~
~~aqueous solvent~~ an over-spray paint that has not been coated, with an
 20 aqueous solvent, on an article to be coated, filtering and concentrating the
 collected paint, ~~followed by~~ and adjusting the paint formulation for recycle
 use. ~~The recycle~~ recycling of aqueous paint reduces paint waste and
~~attains saving resource~~ saves resources. ~~The~~ Therefore, aqueous paint
~~therefore~~ has been widely used for industrial coating field, such as
 25 automotive coating and home electric apparatus coating.

[0004] ~~Coating aqueous paint in~~ In a coating line for automotive bodies,

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